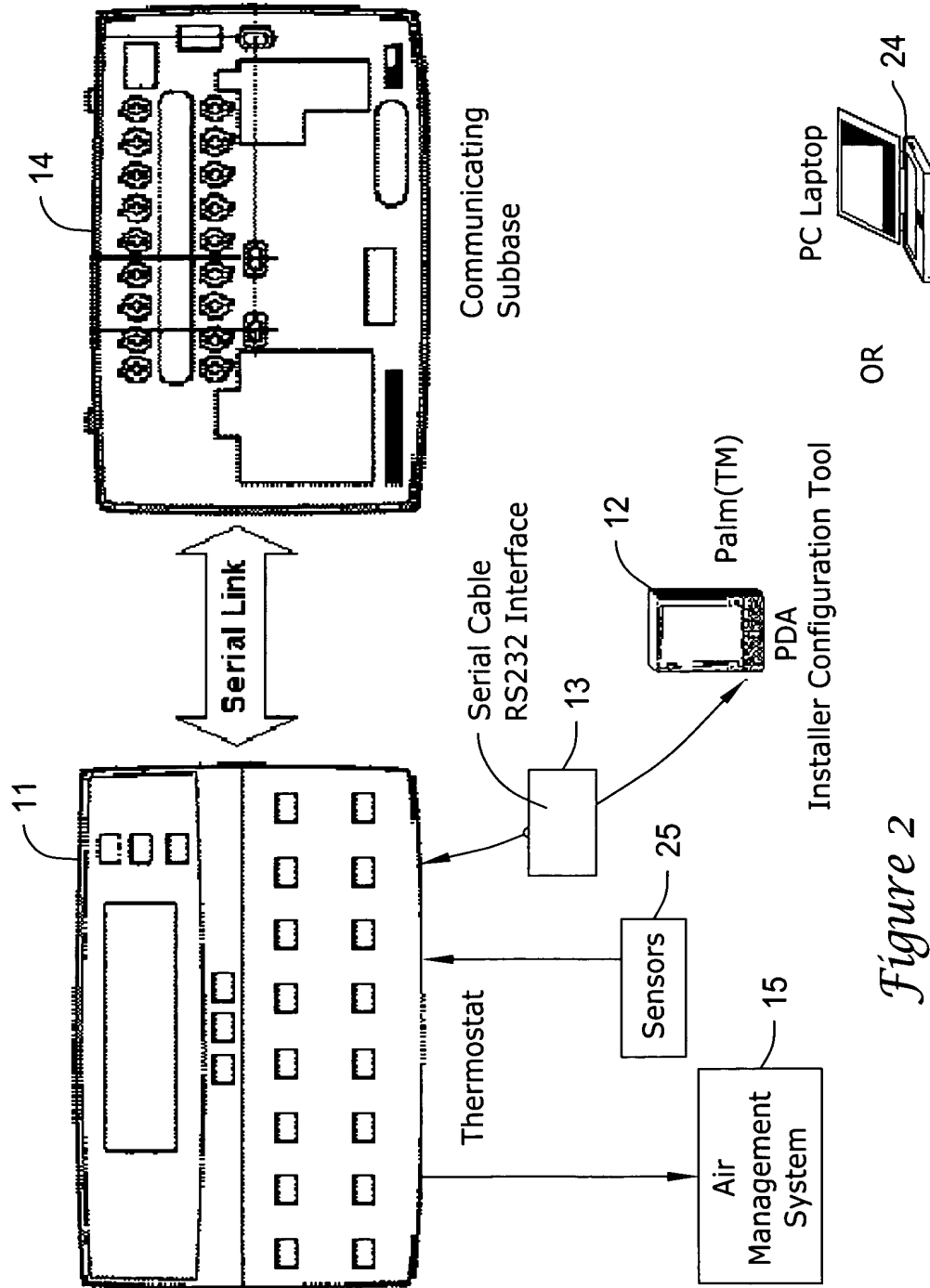


Figure 1

2/33



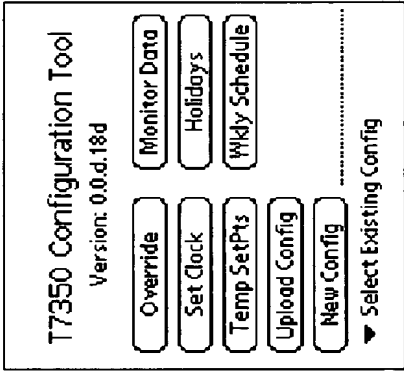


Figure 3A

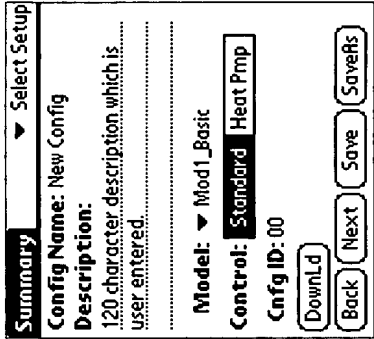


Figure 3B

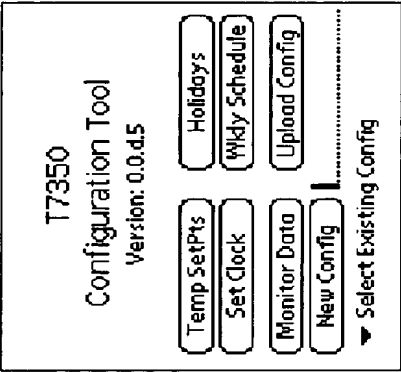


Figure 4A

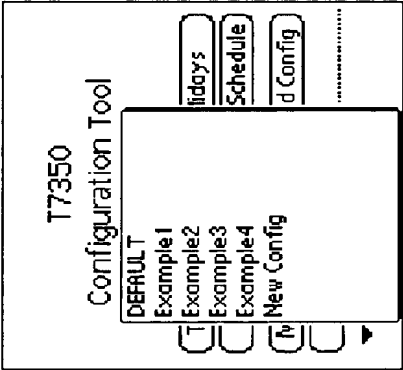


Figure 4B

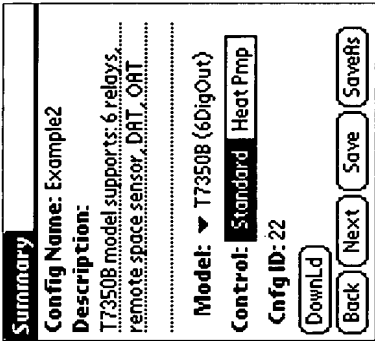


Figure 4C

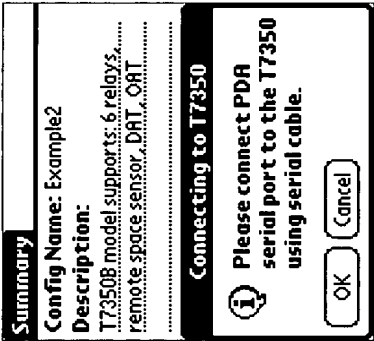


Figure 4D

T7350 Configuration Tool
Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 5A

Summary

Select Setup

Config Name: New Config

Description:
120 character description which is
user entered

Model: Mod1_Basic

Control: Standard Heat Pmp

Cnfg ID: 00

DownLd

Back

Next

Save

Savefts

Figure 5B

Summary

Config Name: New Config

Description:

Connecting to T7350

Please connect PDA
serial port to the T7350
using serial cable.

OK

Cancel

Figure 5C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 6A

T7350
Configuration Tool
Version: 0.0.d.5

Connecting to T7350

Please connect PDA
serial port to the T7350
using serial cable.

OK

Cancel

Figure 6B

Summary

Select Setup

Config Name: XYZ

Description:
Customer XYZ summary
information

Model: Mod1_Basic

Control: Standard Heat Pmp

Cnfg ID: 00

DownLd

Back

Next

Save

Savefts

Figure 6C

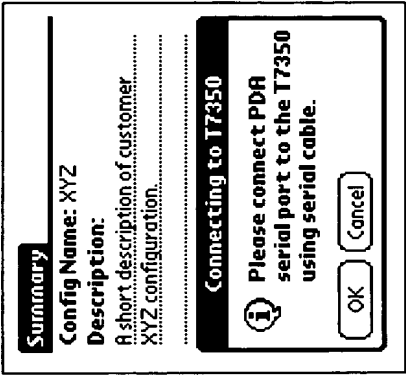


Figure 6D

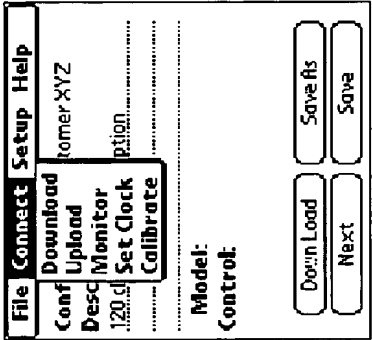


Figure 7A

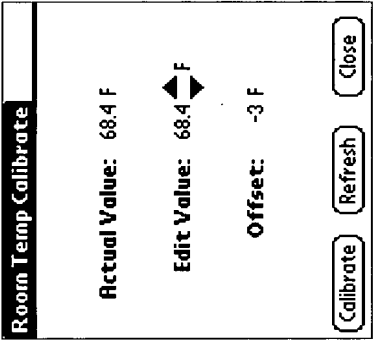


Figure 7B

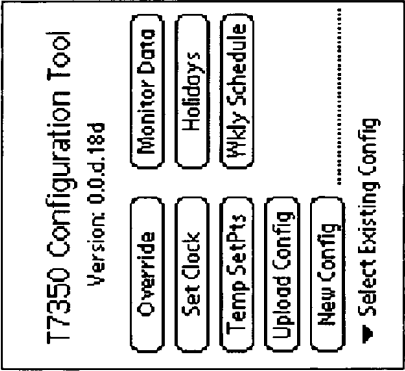


Figure 8A

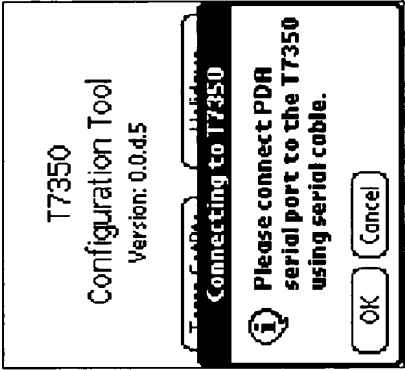


Figure 8B

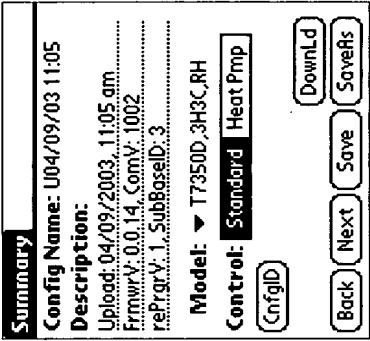


Figure 8C

T7350 Configuration Tool

Version: 0.0.d.18d

Override

Monitor Data

Set Clock

Holidays

Temp SetPts

Wkly Schedule

Upload Config

New Config

Select Existing Config

Figure 8D

Summary

Config Name: Example3

Description:
T7350C SmartStat supports: 6
Relays, remote space sensor, DAT,
OAT, RH, Occ sensor

Model: ▼ T7350C (6DigOut+RH)

Control: Standard Heat Pmp

Cnfg ID: 23

DownLd

Back

Next

Save

SaveAs

Figure 9A

Outputs

AuxDO:
Time of Day
Economizer
Dehumid Hot Gas BP
Simple Dehumid

Back

Next

Figure 9C

Monitor Data

SubBaseID: T7350D,3H3C,RH

FirmwareVersion: 0.0.19

Room Temperature: 79.2 F

EffectiveSetPoint: 75.0 F

RoomRH: 31 %

Dehumidification: Off

DischargeAir Temp: 70.3 F

Update

Close

Figure 8E

Inputs

Room Temp: Local Remote Rmt+StPt

Rel Humidity: Local Remote

Occ Sensor: None Remote

Discharge Air Temp: None Remote

Outdoor Air Temp: None Remote

Back

Next

Figure 9B

Cooling Config

Stages: 0 1 2 3

Cooling Response: Std 3 gph Fast 4 gph

☒ Enable OAT Lockout
OAT SetPt 35 F

☒ Enable DAT Low Limit
DAT SetPt 45 F

Back

Next

Figure 9D

Heating Config

Stages: 0123

Heating Std 3cph Med 6cph

Response: Fast 9cph FastII20cph

☒ Enable OAT Lockout
OAT SetPt 70 F

☒ Enable DRT High Limit
DRT SetPt 110 F

BackNext

Figure 9E

Fan

FanSwitch: OnAuto

FanOperation: ConventionalElectric Heat

Heat: No Extended Op
Extend 90 sec

Cool: No Extended Op
Extend 90 sec

BackNext

Figure 9F

Weekly Schedule

Select New Schedule

SaveIsDeleteModify

MON 08:00 am OCC
--- 10:00 pm UNOCC
TUE 08:00 am OCC
--- 10:00 pm UNOCC
WED 08:00 am OCC
--- 10:00 pm UNOCC
THU 08:00 am OCC

BackNextDownload

Figure 9G

Modify Schedule

Day: Monday

Event# Mode Time

1 Occupied 08:00 am

2 Unoccupied 10:00 pm

3 None 12:00 am

4 None 12:00 am

CopyDayTo Sun Sat
☐ M ☐ T ☐ W ☐ T ☐ F

OK

Figure 9H

SetPoints

Heating Cooling

Occupied 70 F 75 F

Standby 67 F 78 F

UnOcc 55 F 85 F

Occupied 55 F 85 F

SetPt Stops

TempOverride: 3 Hrs

BackNextDownload

Figure 9I

Summary

Config Name: ExampleModelID

Description: T7350D model supports: 6 Relays, remote space sensor, DRT, OAT, RH, Occ sensor

Model: T7350D.3H3C.RH

Control: StandardHeat Pmp

ConfigID

BackNextSaveSaveIsDownload

Figure 9J

Summary

Config Name: ExampleModelID

Description:
T7350D model supports: 6 Relays,
remote space sensor, DRL, ORT,
RH, Occ sensor

Model: ▼ T7350D_3H3C,RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSavefs

Figure 10A

File Com Set Sched Opt

Config Name: E

Wkly Sched
Recovery
Holiday
DayLightSav

T7350D model sup:
remote space sens
RH, Occ sensor

Model: ▼ T7350D_3H3C,RH

Control: Standard Heat Pmp

CnfgID

BackNextSaveDownLdSavefs

Figure 10C

Dehumidification

High Limit: 65 %

Dehumid Options:
☒ Min ON Time ▼ 5 min
☒ Reheat
☒ Reset Temp SetPt 1 F

Spin Speed
1X 10X

OK

Figure 10E

File Com Set Sched Opt

Config Name: Home

Summary
Inputs
Outputs
Cooling
Heating
Fan

Model: ▼

Control: SetPoints

CnfgID

BackNextSaveDownLdSavefs

Figure 10B

Display

Units: F C

Rm Temp: Display NoDisplay
Occupied SetPoint Stops
Min 55 F Max 85 F

Clock: AM/PM 24 hr

Key Pad: ▼ Enable All

SysSwitch: ▼ OFF

OK

Figure 10D

Energy Management

Demand Limit

Control Bump: 3 F

Power Failure
Seq Start: ▼ 0 sec

OK

Figure 10F

Loop Tuning

Heating		Cooling	
TR	7	7	F
IT	1650	1650	sec
DT	0	0	sec
Anticipator	Apply To		
Authority: 4	F	Htg	Ctg

Spin Speed: 1X 10X 100X

OK

Figure 10G

Recovery

	Cool	Heat
ORT@Min:	90	0
Ramp Min:	3	5
ORT@Max:	70	40
Ramp Max:	6	8
LeadTime	-Cool-	-Heat-
MaxRange	1.8 to 3.5	2.0 to 3.1 hr

OK

Figure 10H

Day Light Saving

Start Month: Apr

Start Day: FirstSun

Stop Month: Oct

Stop Day: LastSun

Spin Speed: 1X 10X

OK

Figure 10I

Holiday

Select New Holiday Group

Saves

New Years Day
Jan 1, Dur:1
Memorial Day
May LastMon, Dur:1
Independence Day
Jul 4, Dur:1
Labor Day

OK

Figure 10J

Modify Holiday

New Years Day
New Years Day

Start Month: Jan

Start Day: 1

Duration: 1 Day

Spin Speed: 1X 10X

OK

Figure 10K

Modify Holiday

New Years Day
Memorial Day
Independence Day
Labor Day
Thanksgiving
Christmas
Hol 7
Hol 8
Hol 9
Hol 10

Spin Speed: 1X 10X

OK

Figure 10L

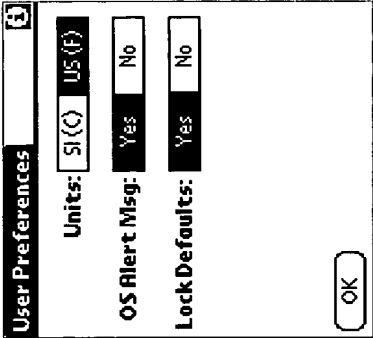


Figure 11A

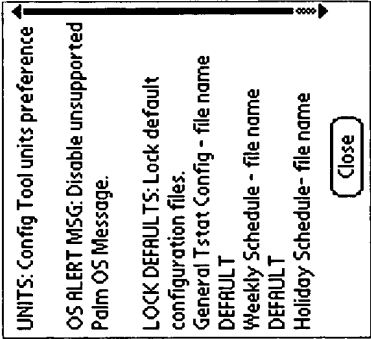


Figure 11B

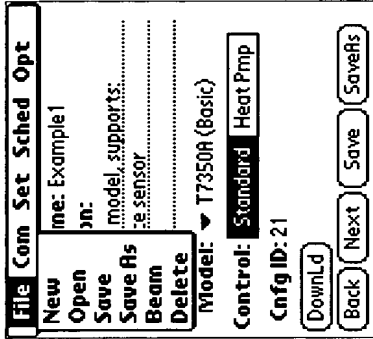


Figure 12A

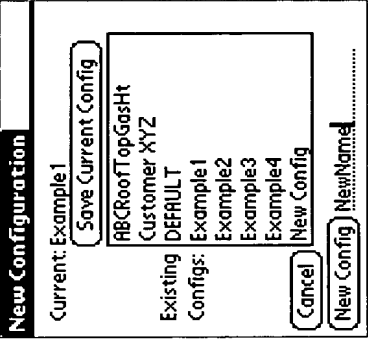


Figure 12B

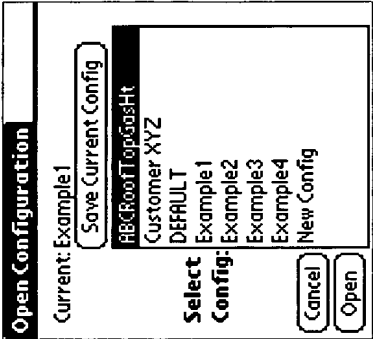


Figure 12C

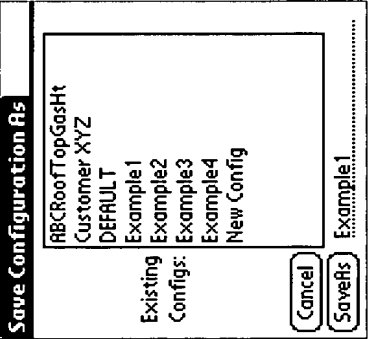


Figure 12D

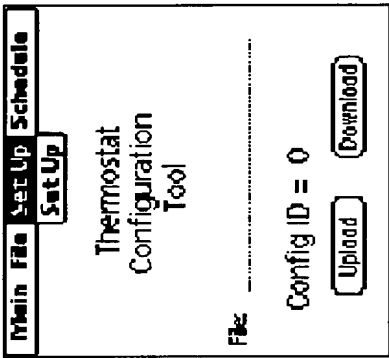


Figure 14C

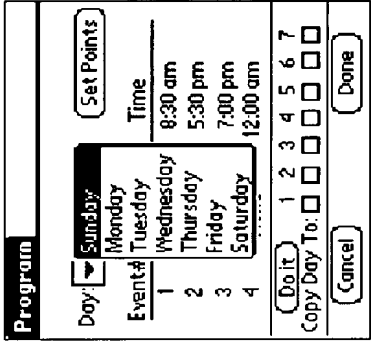


Figure 14D

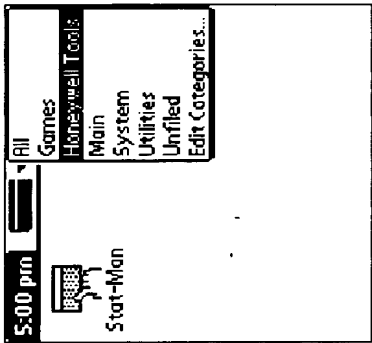


Figure 14A

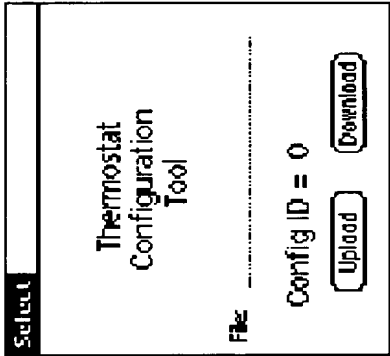


Figure 14B

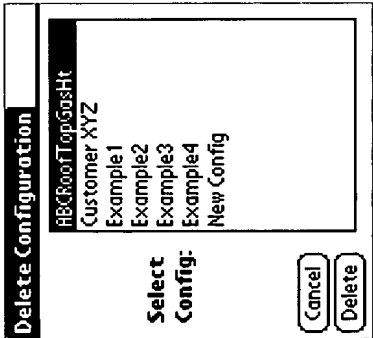


Figure 12E

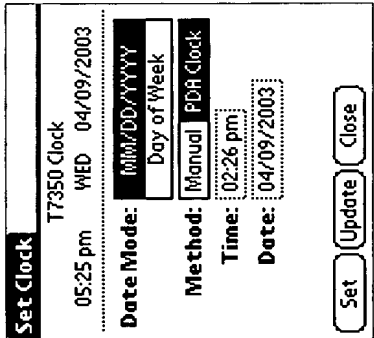


Figure 13

Installer Set Up

Temperature Units

Clock Format

Fan Behavior

Program From Keyboard

Figure 14I

Set Up 2

Heat Stages

Cool Stages

Energize Fan For

Sensor Location

Figure 14J

Program

Day:

Event# Mode Time

1 8:30 am

2 5:30 am

Select Event Time

:

Figure 14G

Set Points

Cooling	Heating
Occupied 72	70
Standby 75	68
Unoccupied 80	60

Figure 14H

Program

Day:

Event# Mode Time

1 8:30 am

2 5:30 pm

3 7:00 pm

4 12:00 am

Figure 14E

Program

Day:

Event# Mode Time

1 3:30 am

2 5:30 pm

3 2:00 am

4 2:00 am

Figure 14F

13/33

Load Program

Choose File

- Standard 1
- Target
- Wendy's 1
- Standard 2
- K-Mart Heatpumps
- Pay-less Shoes

Cancel OK

Figure 14K

Thermostat Configuration Tool

File: Standard 1

Config ID = 0

Upload Download

Figure 14L

Save To File

Save the current Thermostat configuration as file name:

Cancel OK

Figure 14M

Weekly Schedule

Select New Schedule

SaveAs Delete Modify

- MON 08:00 am OCC
- TUE 08:00 am OCC
- WED 08:00 am OCC
- THU 08:00 am OCC

Back Next Download

Figure 14N

Holiday

Select New Holiday Group

SaveAs Delete Modify

- New Years Day
- Jan 1, Dur:1
- Memorial Day
- May LastMon, Dur:1
- Independence Day
- Jul 4, Dur:1
- Labor Day

OK Download

Figure 14O

SetPoints

	Heating	Cooling
Occupied	70	75
Standby	67	78
UnOcc	55	85
Occupied SetPt Stops	55	85

TempOverride: 3 Hrs

Back Next Download

Figure 14P

14/33

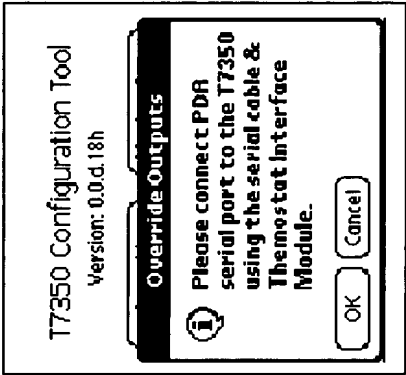


Figure 14U

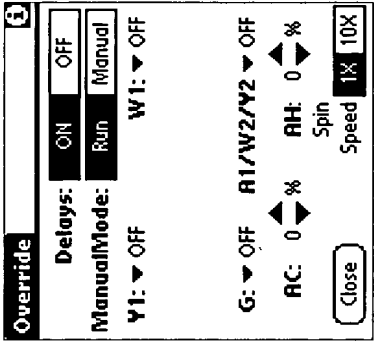


Figure 14V

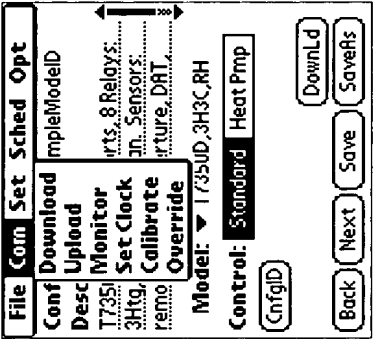


Figure 14S

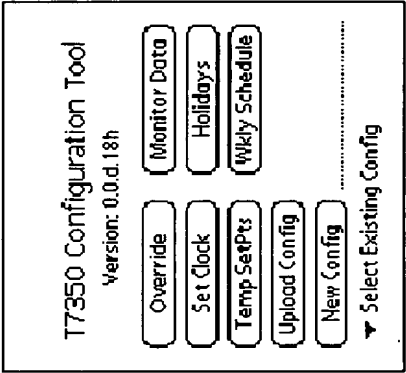


Figure 14T

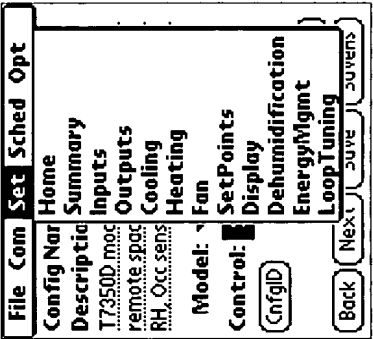


Figure 14Q

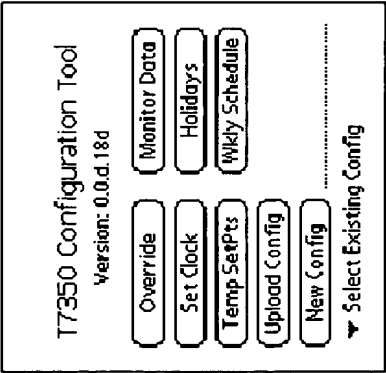


Figure 14R

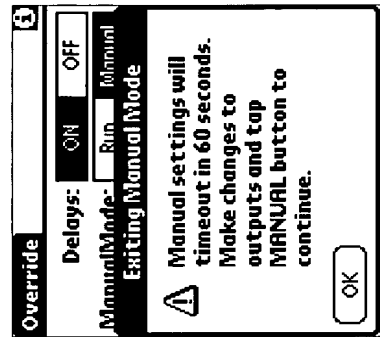


Figure 14Y

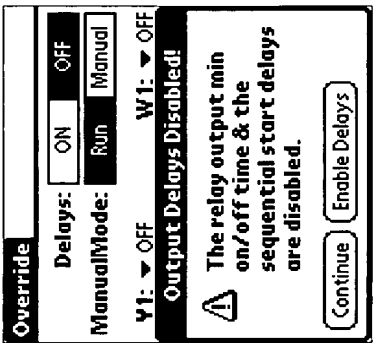


Figure 14Z

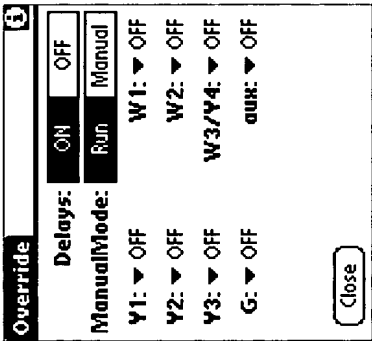


Figure 14W

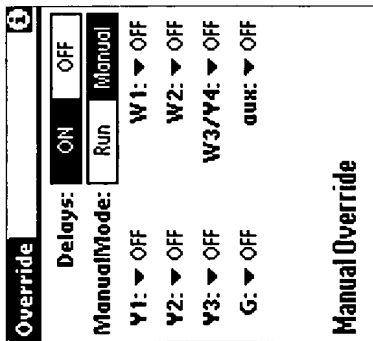


Figure 14X

16/33

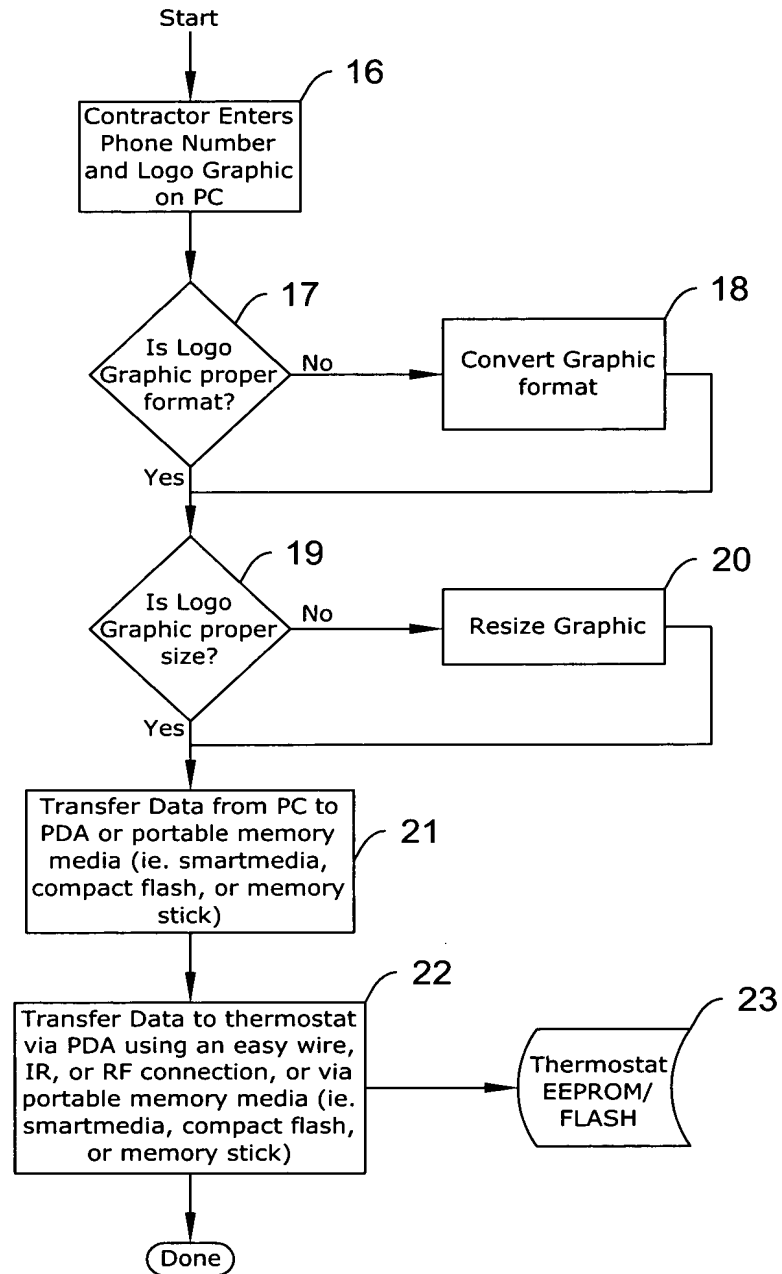


Figure 15

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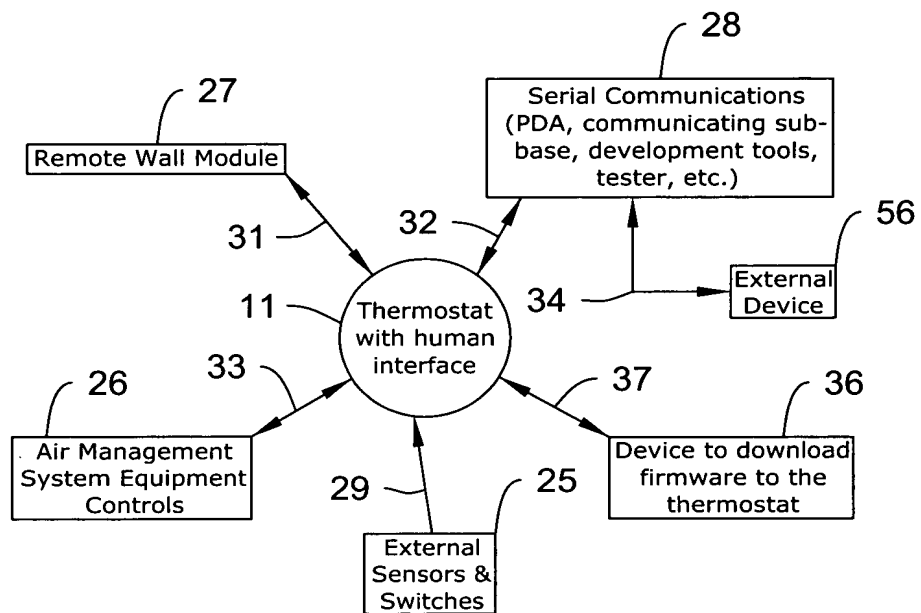


Figure 16

18/33

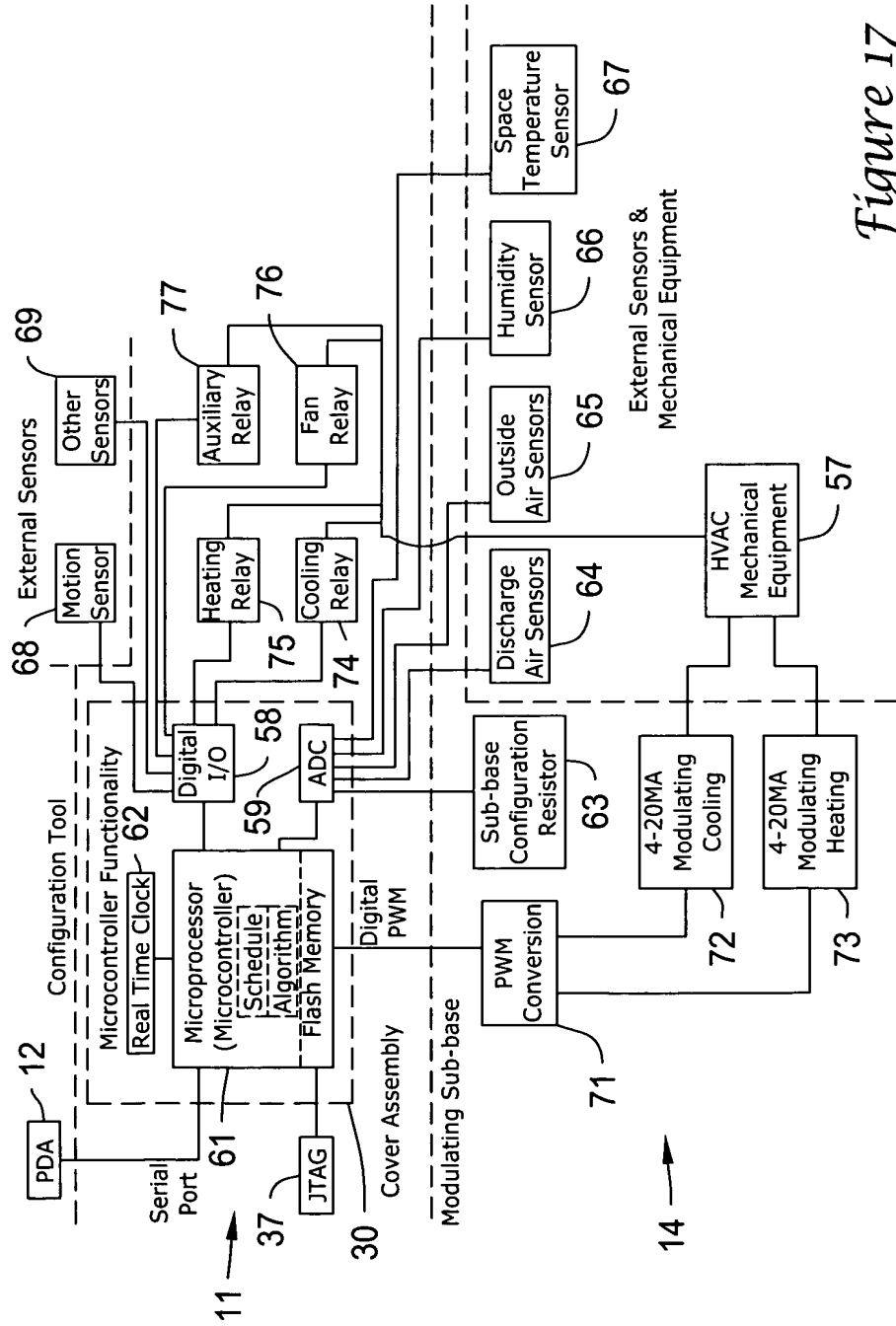


Figure 17

19/33

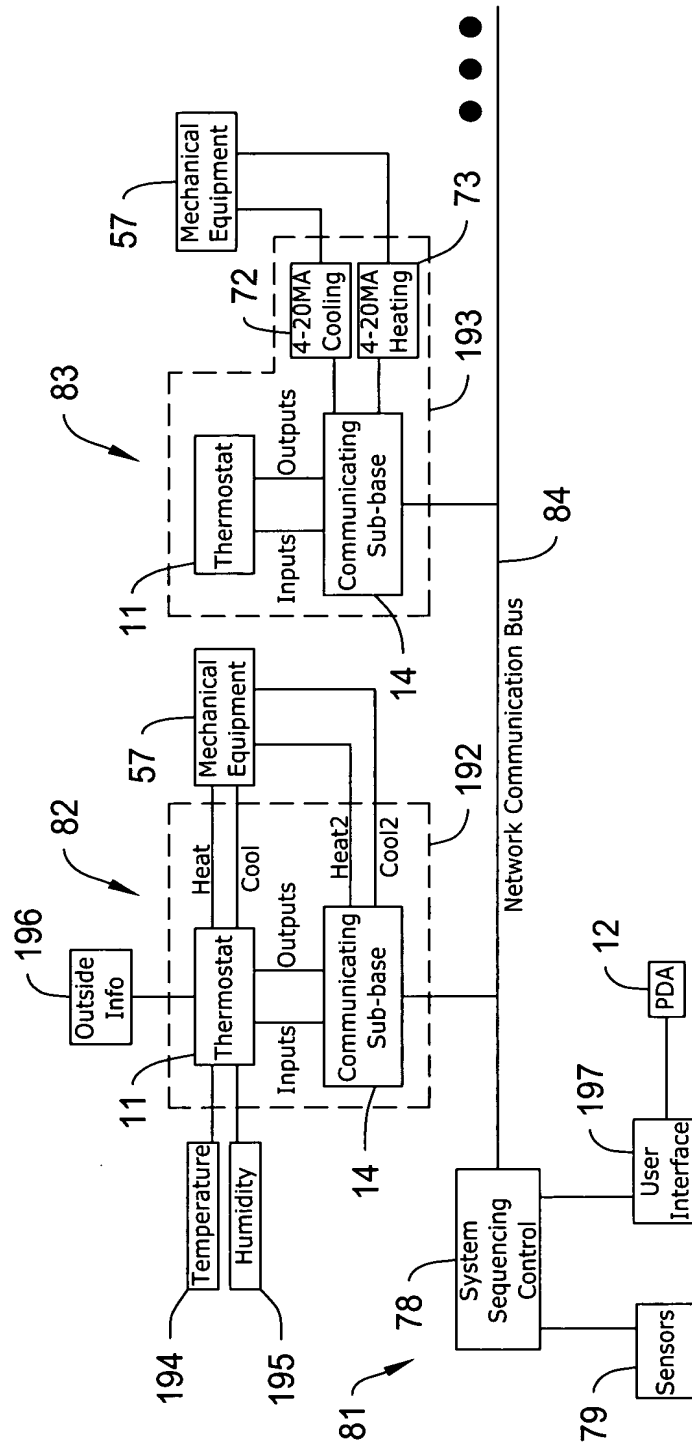


Figure 18

20/33

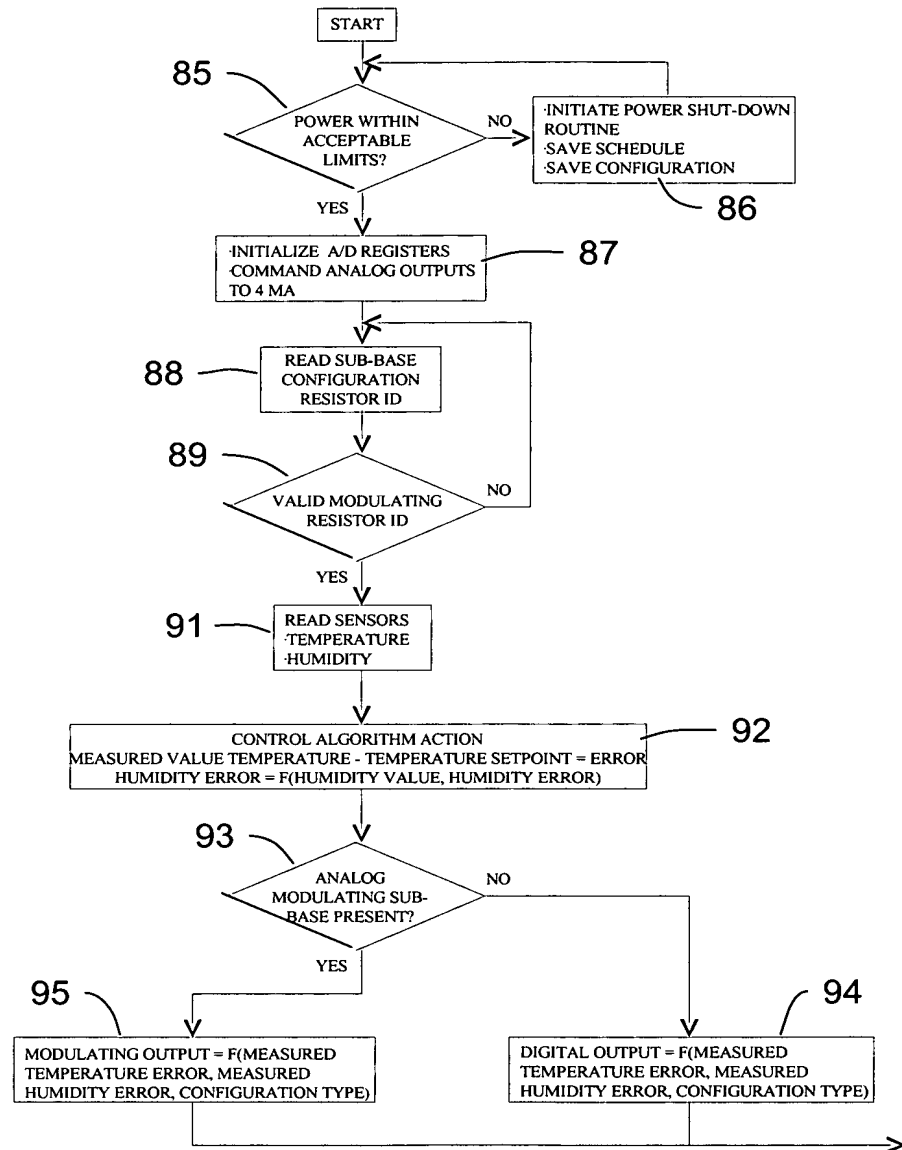


Figure 19

21/33

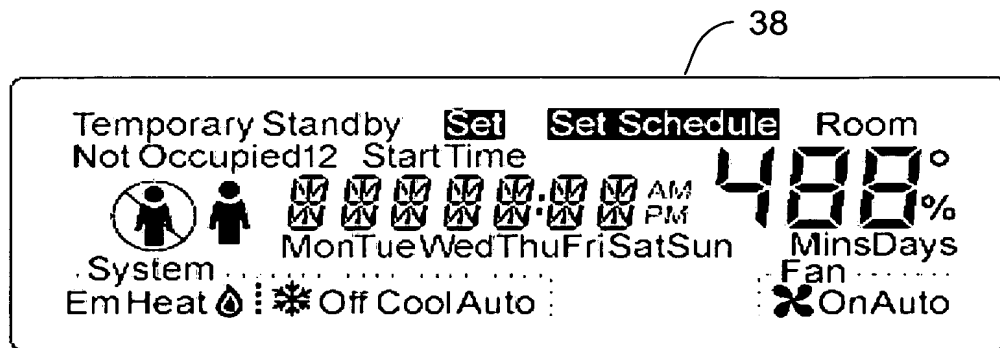


Figure 20A

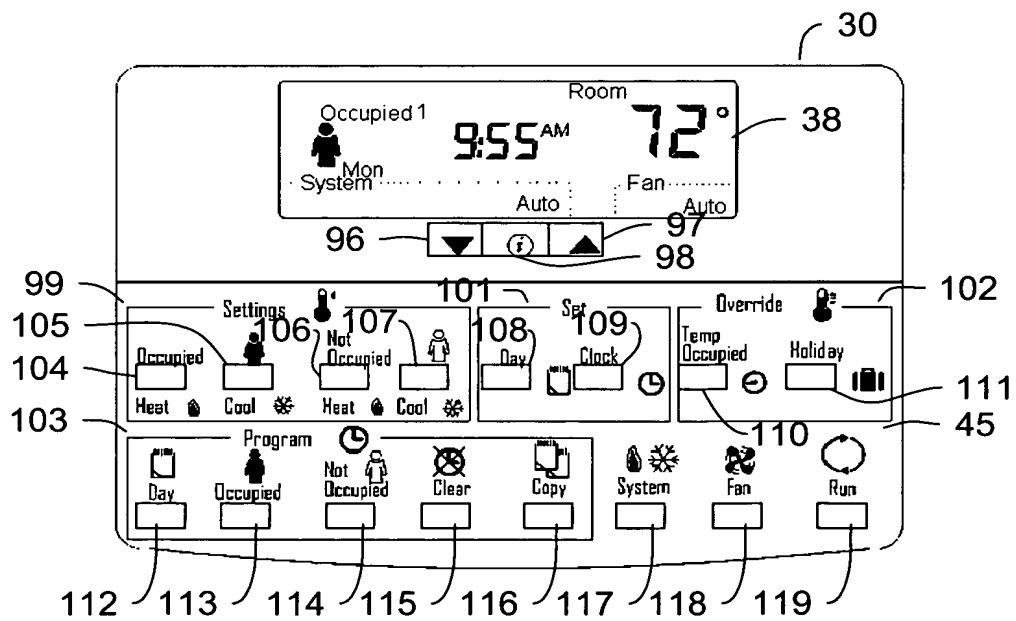


Figure 20B

22/33

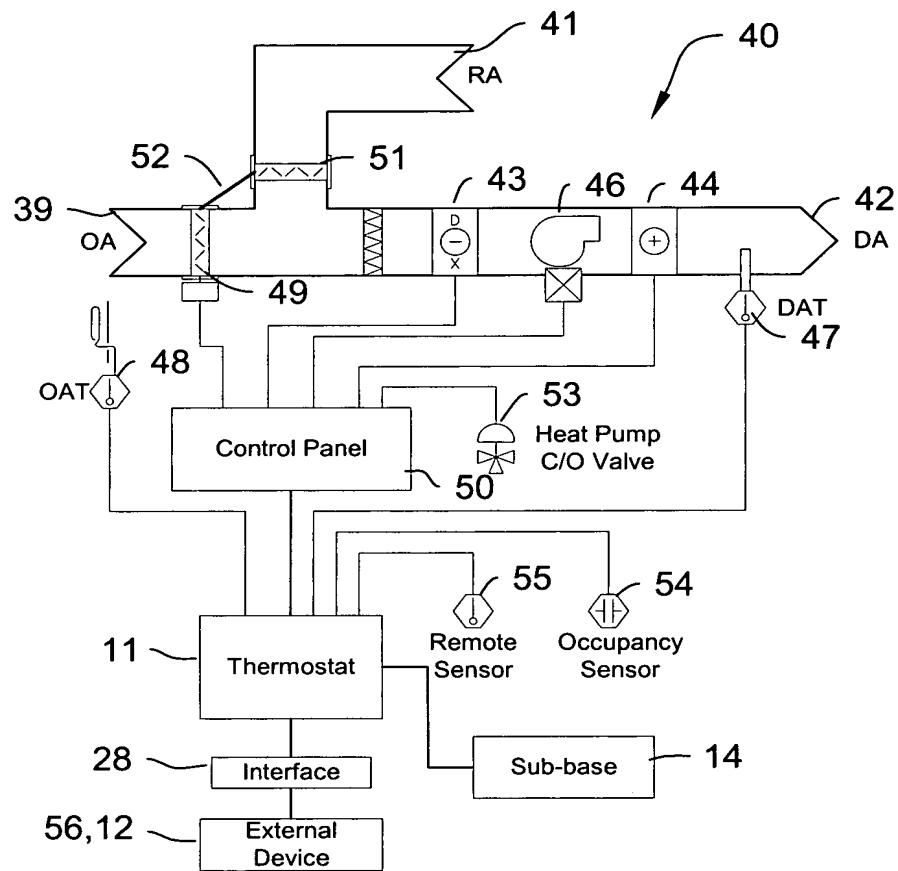


Figure 21

23/33

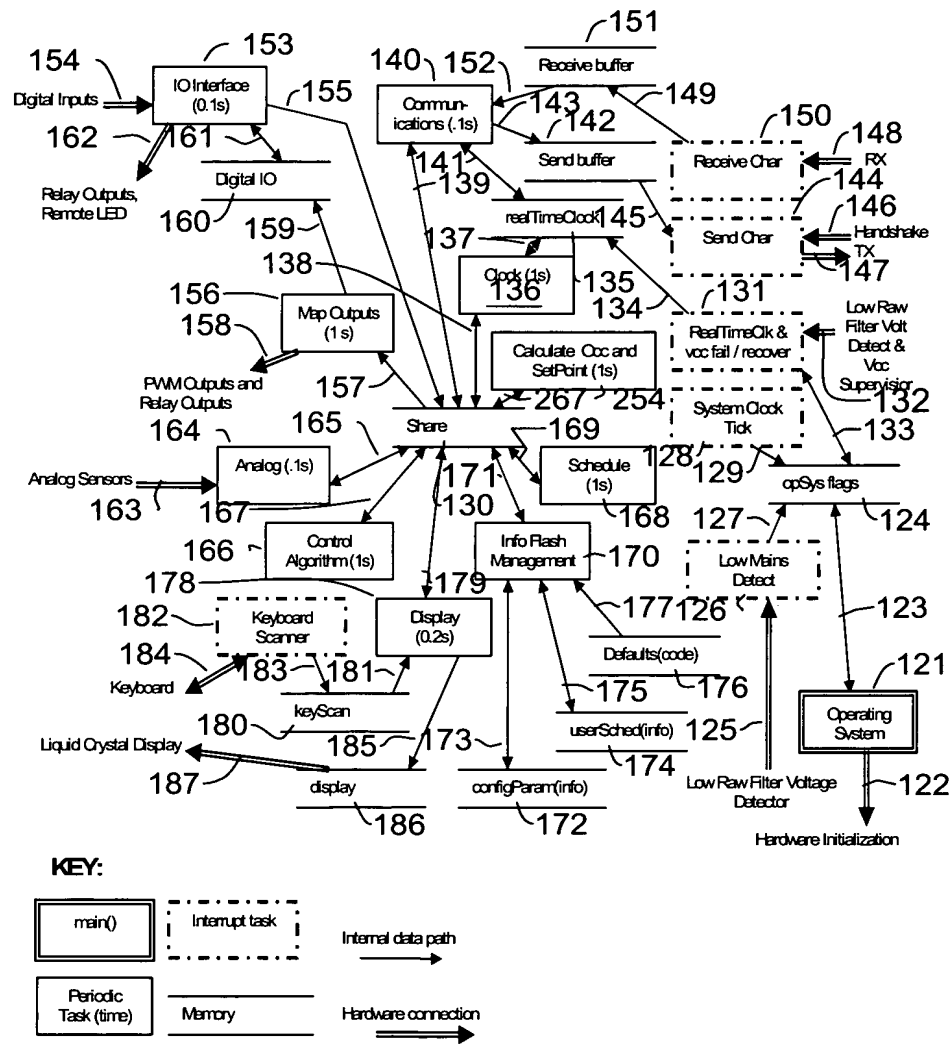


Figure 22

24/33

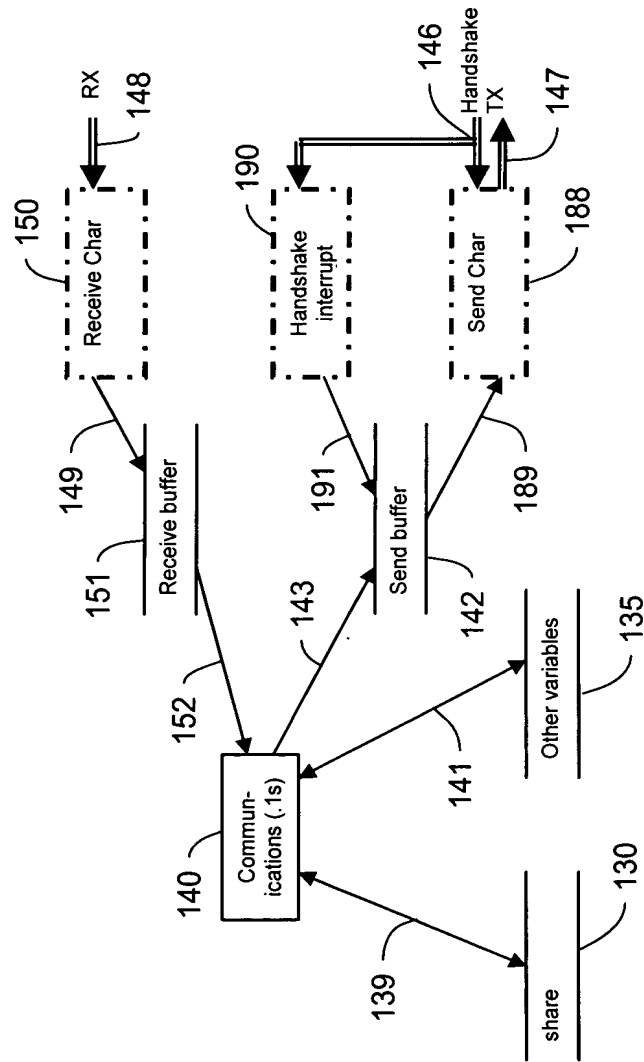


Figure 23

25/33

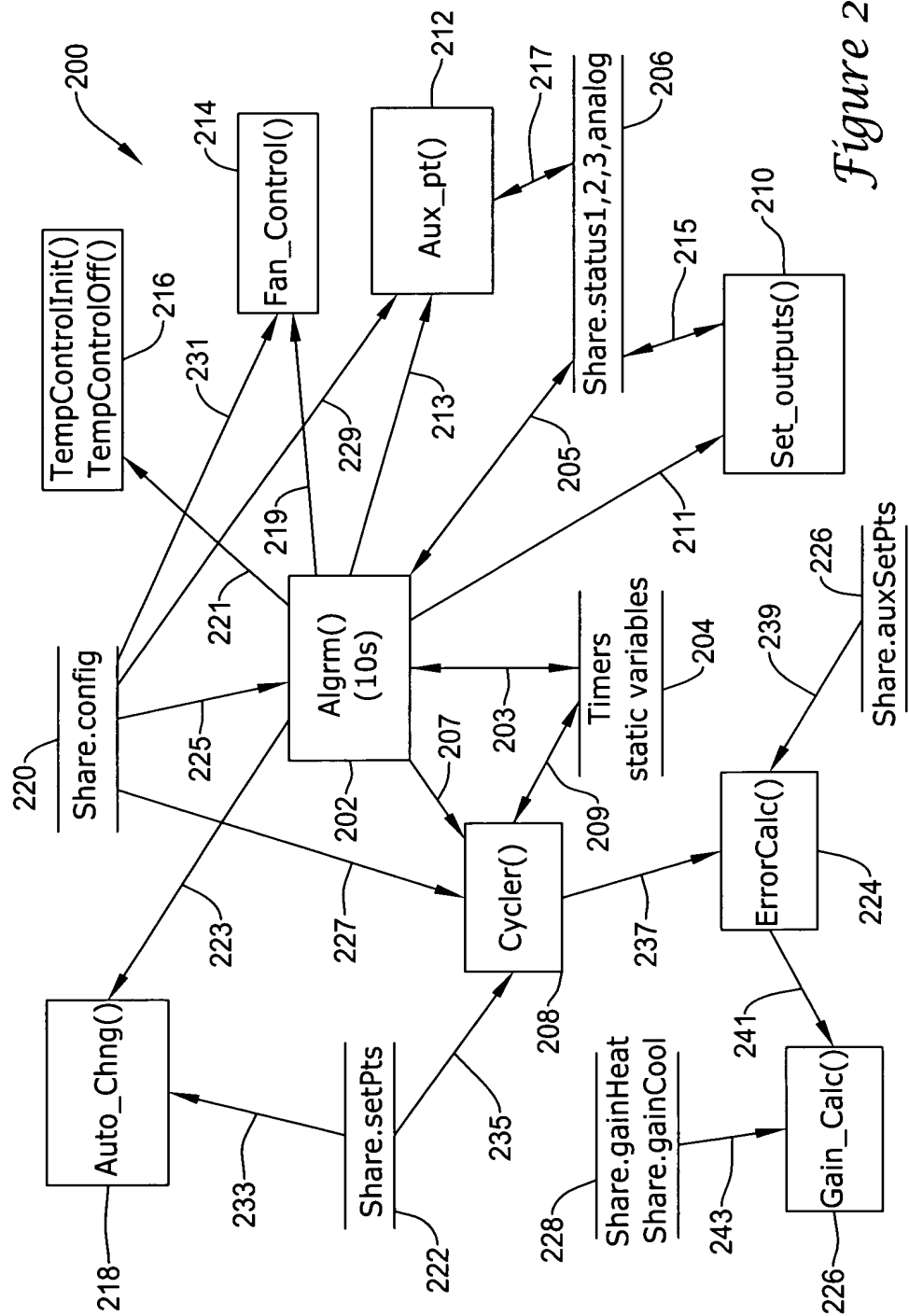


Figure 24

26/33

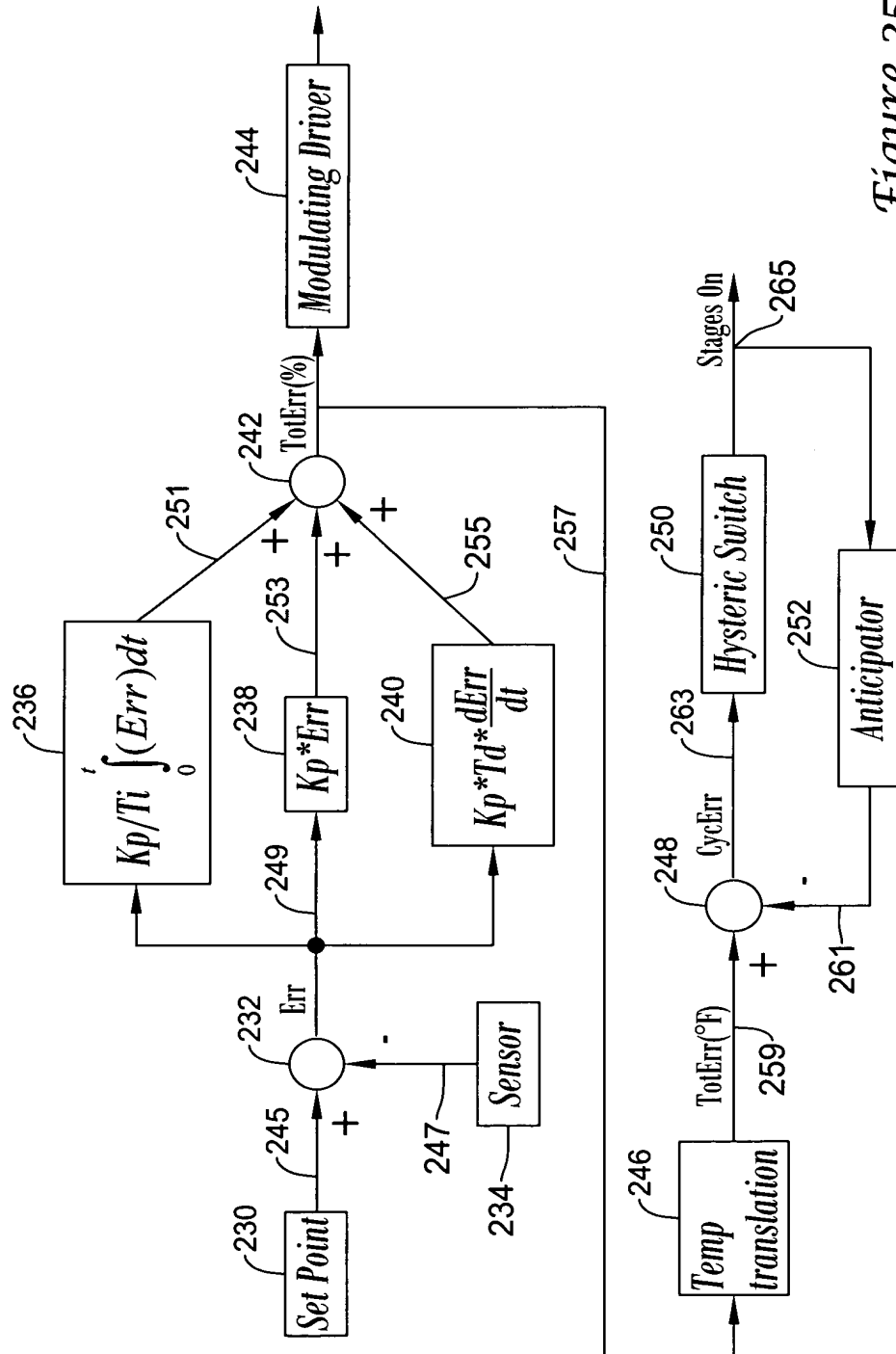


Figure 25A

27/33

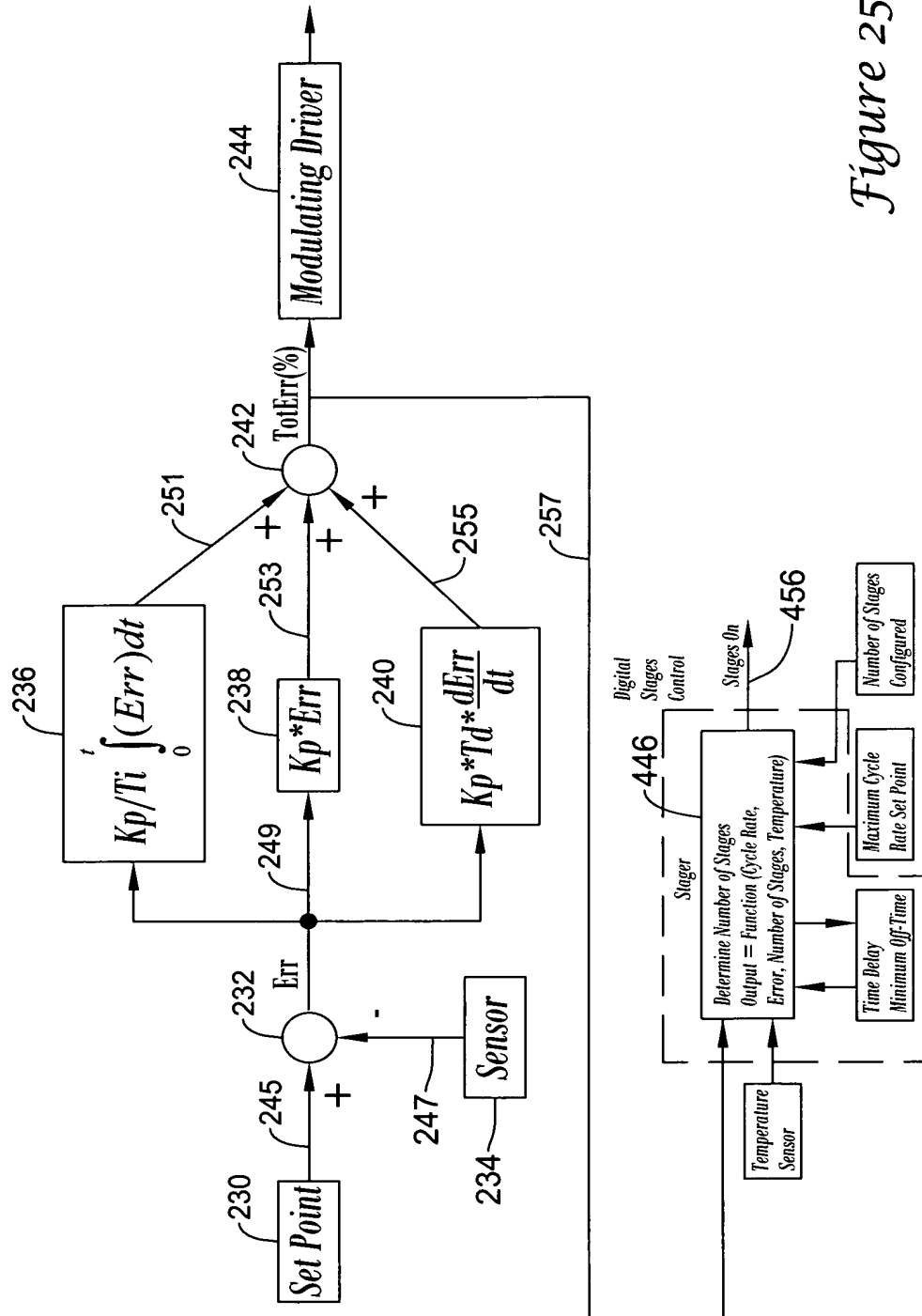


Figure 25B



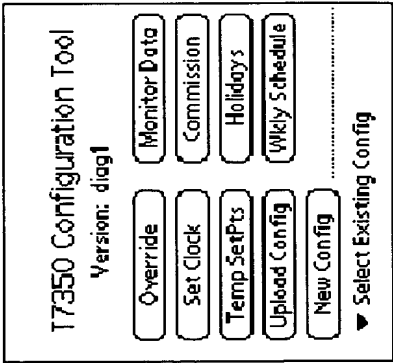


Figure 28A

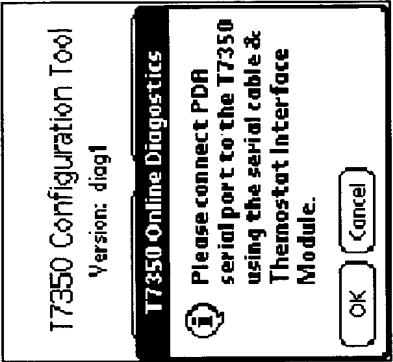


Figure 28B

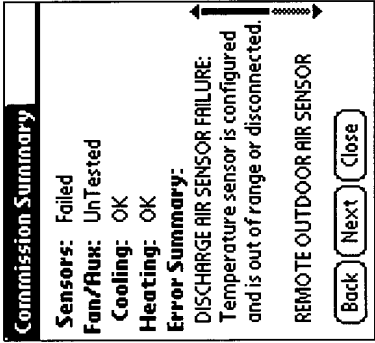


Figure 28C

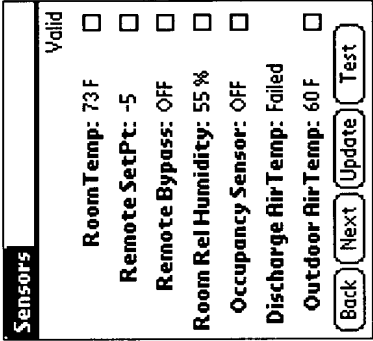


Figure 29A

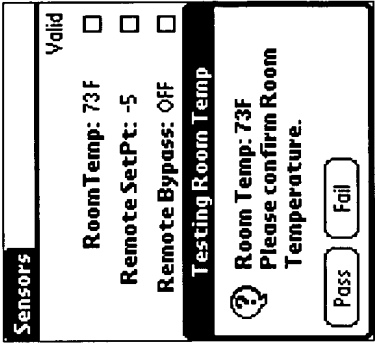


Figure 29B

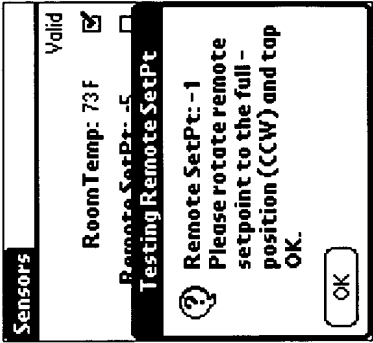


Figure 29C

Sensors

Valid

RoomTemp: 73 F

Testing Remote SetPt

?

Full - setting validated.
Remote SetPt: -5
Please rotate remote
setpoint to the full +
position (CW) and tap
OK.

OK

Figure 29D

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Remote Bypass: OFF

Room Rel Humidity: 55 %

Occupancy Sensor: OFF

Discharge Air Temp: Failed

Outdoor Air Temp: 60 F

Back

Next

Update

Test

Figure 29F

Sensors

Valid

RoomTemp: 73 F

Remote SetPt: -5

Testing Remote SetPt

i

Full + setting validated.
Remote SetPt: +5
Setpoint test sequence
completed.

OK

Figure 29E

Fan/Auxiliary Equipment

Valid

ManualMode: OFF

Fan - G: OFF

TimeOfDay - A1 : OFF

Back

Next

Update

Test

Figure 30

Cooling Equipment

Valid

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1 : OFF

Clg Stage2 - Y2 : OFF

Clg Stage3 - Y3 : OFF

Back

Next

Update

Test

Figure 31A

Cooling Equipment

Valid

ManualMode: OFF

Fan Status: OFF

Clg Stage1 - Y1 : OFF

Testing Cooling Operation

?

Fan Status: OFF
Please confirm it is safe
to start the Fan.

Yes

No

Figure 31B

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Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☐
Clg Stage1 - Y1 : OFF

Testing Cooling Operation

? Fan Status: ON
Please confirm Fan operation.

Pass Fail

Figure 31C

Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☐
Clg Stage1 - Y1 : OFF

Testing Cooling Stages

of Stages: 1
DischargeAirT: 78F
CoilDeltaT: 0F
Progress: II

Cancel

Figure 31E

Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☐
Clg Stage1 - Y1 : OFF

Testing Cooling Stages

Validated Stage 1
Cooling Operation
Progress: IIIIIIIII

Cancel

Figure 31G

Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☐
Clg Stage1 - Y1 : OFF

Testing Cooling Stages

? Fan Status: ON
of Stages: 0
Please confirm it is safe to start Cooling Stages.

Yes No

Figure 31D

Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☐
Clg Stage1 - Y1 : OFF

Testing Cooling Stages

of Stages: 1
DischargeAirT: 73F
CoilDeltaT: 5F
Progress: IIII

Cancel

Figure 31F

Cooling Equipment

ManualMode: OFF
Fan Status: OFF Valid ☒
Clg Stage1 - Y1 : OFF
Clg Stage2 - Y2 : OFF
Clg Stage3 - Y3 : OFF

Back Next Update Test

Figure 31H

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Htg Stage1 - W1 : OFF	<input checked="" type="checkbox"/>
<div>BackNextUpdateTest</div>	

Figure 32E

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Testing Heating Stages	
Htg Stage 1: OFF	
Please confirm it is safe to activate Heating Stage contact.	
<div>YesNo</div>	

Figure 32C

Heating Equipment	
ManualMode: OFF	
Testing Heating Stages	
Htg Stage 1: ON	
Please confirm Heating Stage 1 operation. For example, room baseboard heat is activated.	
<div>PassFail</div>	

Figure 32D

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Htg Stage1 - W1 : OFF	<input type="checkbox"/>
<div>BackNextUpdateTest</div>	

Figure 32A

Heating Equipment	
ManualMode: OFF	Valid
Fan Status: OFF	
Testing Heating Operation	
Fan Status: OFF	
Please confirm Fan air flow is required for stage 1 heating.	
<div>YesNo</div>	

Figure 32B

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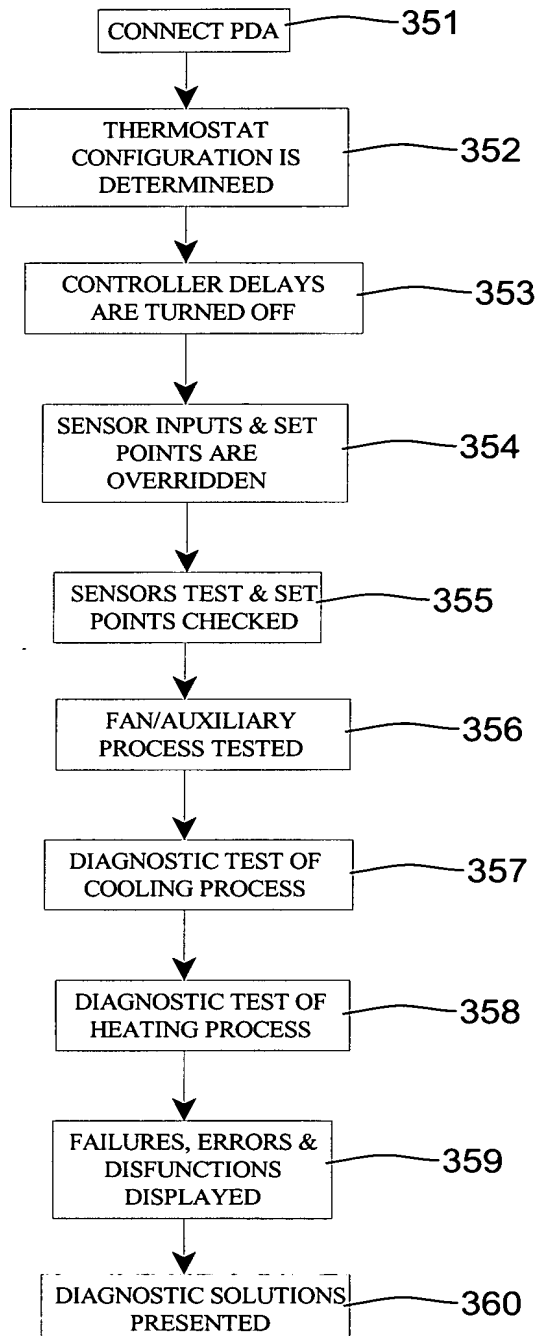


Figure 33